

S. No.	Reference	S-Chem's 1st comment	Bidder's 1st Response	Remarks
1	With reference to Proposal,	Kanooz has confirmed only 48" C-3101 Nozzle F1 Flange breaking & Box up. If any location require Flange break up or drop any valve to clean the pipe line and drain to temporary catch basin / skip to vacuum using vacuum truck. This is part of contractor scope of work and accordingly Kanooz to provide method statement to clean the pipe line. Please confirm and update in the proposal.	As S-Chem shall drop & install Control valves. Kanooz will breaking & box up - 48" flange. Breaking & box up of remaining small bore pipe flanges (2" & 3/4") associated with the line (As per highlight ISO drawing) will be taken care by kanooz. Work method statement attached.	Closed
2	With reference to Proposal, SES , Point 4.8	Matrix is not filled which shall be Kanooz, Please confirm and update in proposal.	Filled and attached.	Closed
3	With reference to Proposal, Manpower loading and Equipment loading	The proposal having two hydro jetting machine and confirm two machine work in parallel. Where as the manpower showing 1 HJ operator and 3 HP Jetters per shift which is considered as one crew per machine. Please clarify the manpower for 2nd machine. Please confirm and update the proposal.	We plan to place both hydro jetting machine near to each other at ground level. And one operator for both machine. Remaining crew member like RHD operators and jetters are will be at the platform. It helps to avoid operating another hydro jetting machine by confusion.	Closed
4	With reference to Proposal, Equipment loading	Catch Basin or Closed Skip for the Effluent hydro jetting cleaning waste water collection is not showing in the proposal to contain and store for disposal using vacuum trucks. Please confirm and update the proposal. Free draining to ground catch basin or Sewer is not allowed.	25m3 holding tank - 2 nos. One for store fresh water in order to avoid water shortage. Another one for collect wash/ waste water. Please note both tanks are open to atmosphere.	Closed
5	With reference to Proposal,	The machine considered is 15,000 PSI HP machine. Please confirm why 20,000 PSI HP machine not considered.	From our experience 15K PSI HPWJ machine is cleaned lines effectively. If in case higher pressure machine required Kanooz will mobilize as required upto 40K PSI HPWJ machine.	Closed

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1	With reference to Proposal,	Please provide Tentative schedule with duration for Mobilization, TA and De-mobilization. This will help us to understand how much time is considered by SHD based on scope for cleaning and inspection, which is required for technical evaluation	Mobilization: 2 Days TA: Including opening of drain points, cleaning activities, and closing of drain points: 4 to 6 shifts. Demobilization: 2 Days. •Dropping of the 30" control valves are not considered under contractor scope as per the discussions during the site visit. •Contractor scope of mechanical activities are considered as only to open the drain points (in reference to the procedure mentioned in page 12 of the submitted technical procedure) and to swing the blind C-3101/F1.	Closed
2	With reference to Proposal, Equipment Deployment	The capacity of High Volume high pressure pumps is not mentioned. Please confirm and update in proposal.	High volume high pressure pumps discharge volume ranging from 120 lpm to 200 lpm and discharge pressure from 10,000 psi to 15,000 psi.	Closed
3	With reference to Proposal, Manpower Deployment	The following manpower not listed in Manpower as per the scope 1) Pipe fitters / technicians for mechanical work like flange break, any valve drop for draining. 2) Standby Man for Machine / Compressors 3) Rigger 3 4) Vacuum Truck Operator 5) Torquing technician	•Technicians considered for this project are multi skilled experienced technicians (Pipe Fitters/ Torquing/ Aquamilling Technicians). •Standby man for the HP units and compressor will be provided by Saudi Hydro. •Rigger activities were considered for swinging the blind C-3101/F1. If other mechanical activities of opening drain points and dropping of small valves requires rigger 3 support, the same shall be provided during execution by Saudi Hydro. •Vacuum Truck operator will be provided by Saudi Hydro.	Closed
4	With reference to Proposal, Equipment Deployment	The following Equipment not listed in Equipment as per the scope 1) The scope have requirement for mechanical work like flange break, valve drops under contractor scope. Torquing Machine is not considered in Equipment list. Please confirm and update in proposal. 2) Diesel Generator if required for scope of work	•Hydraulic torque wrench is considered as part of the scope of activity and will be provided by Saudi Hydro. •Hydraulic torque wrench is considered as part of the scope of activity and will be provided by Saudi Hydro.	Closed
5	With reference to Proposal, Equipment Deployment	Vacuum truck used by SHD are SHD owned and are RC approved. Please confirm and share vacuum truck approval information of RC.	•For the Vacuuming services at Jubail area, Saudi Hydro is in terms with "Bridge Saudi Company Ltd, Jubail". •Attached is the RC approval for the transportation of industrial wastes. Renewal of the attached certificate is under process and can be provided once approved.	Closed

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1	With reference to Proposal, S-CHEM to provide/ take care of (free of charge);, Point 5.14	Matrix showing All Mechanical works. So Mechanical works as per scope will be Luminous responsibility. Please confirm and update in proposal		No Response
2	With reference to Proposal, S-CHEM to provide/ take care of (free of charge);, Point 5.16	Plant Air is not available and also Luminous has considered Air compressor in the Proposal. Therefore, Please remove from S-Chem responsibility and update in proposal.		No Response
3	With reference to Proposal, 6.10, Manpower & Equipment	Please review and confirm below listed resources and update accordingly in the Proposal. 1) One Hydro jetting machine with One crew is considered in proposal which is less. Since there are 4 branches of Furnace line then 2 line can be attended in parallel. Also in case any failure of any machine, one machine will in operation till other is replaced. Please review and confirm 2) One Vacuum Truck with Operator is considered in proposal. Please review to have one more Vacuum truck based on the waste collection storage and disposal. Therefore should not delay waste disposal process.		No Response
4	With reference to Proposal, 6.10, Manpower & Equipment	The scope have requirement for mechanical work like flange break, valve drops under contractor scope. Torquing Machine and Torquing Crew is not considered in Manpower and Equipment list. Please confirm and update in proposal.		No Response
5	With reference to Proposal,	Please provide Tentative schedule with duration for Mobilization, TA and De-mobilization. This will help us to understand how much time is considered by Luminous based on scope for cleaning and inspection, which is required for technical evaluation		No Response
6	With reference to Proposal,	Please share following documents which not provided along with proposal 1) Organization chart for scope of work 2) QA/QC document 3) HSE statics		No Response